

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Milan R. Kokta, et al.

Title:

MATERIALS FOR USE IN OPTICAL AND OPTOELECTRONIC

APPLICATIONS

Application No.: 10/669,145

Filed:

September 23, 2003

Examiner:

UNASSIGNED

Group Art Unit: 1775

Atty. Docket No.: 1035-BI3918-CIP

COMMISSIONER FOR PATENTS

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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings the patents, publications, applications or other information identified in the attached:

Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449 Other: n/a

to the Examiner's attention in the above-identified application. These references were cited in parent Application No. 09/863,013, filed May 22, 2001. Citation of such information shall not be construed as:

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For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance, such as through (i) an English language abstract, (ii) an English language equivalent application, (iii) reference to discussion in the application, or (iv) if cited in a search report or other action by a foreign patent office in a

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counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

STATEMENT UNDER 37 C.F.R. § 1.704(d)

If the May 29, 2000	above-identified application is an original application filed on or after				
	each item of information contained in this Information Disclosure Statement we cited in a communication from a foreign patent office in a counterpart applicat and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.				
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This I	nformation Disclosure Statement is being filed:				
	within three months of the filing date of a national application or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.				
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Should any PTO fees be necessary for entry of this Information Disclosure Statement, the undersigned hereby authorizes the Commissioner to charge Deposit Account 50-2469.

Respectfully submitted,

Jeffrey S. Abel, Reg. No. 36,079 Attorney for Applicant(s)

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Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

 Complete if Known

 Application Number
 10/669,145

 Filing Date
 September 23, 2003

 First Named Inventor
 Milan R. Kokta

 Art Unit
 1775

 Examiner Name
 UNASSIGNED

 Attorney Docket Number
 1035-BI3918-CIP

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	^{US-} 4,963,520	10/16/1990	Yoo, et al.	
	AB	^{US-} 5,982,796	11/09/1999	Kokta, et al.	
	AC	^{US-} 5,654,973	08/05/1997	Stultz, et al.	
	AD	^{US-} 5,557,624	09/17/1996	Stultz, et al.	
	AE	^{US-} 6,366,596	04/02/2002	Yin, et al.	
	AF	^{US-} 6,023,479	02/08/2000	Thony, et al.	
	AG	US-			
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		FOREIGN	PATENT DOCU	MENTS		
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INF	ORMATION	DIS	CLOSURE	Filing Date	September 23, 2003	
STATEMENT BY APPLICANT				First Named Inventor	Milan R. Kokta	
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Sheet	2	of	3	Attorney Docket Number	1035-BI3918-CIP	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	ВА	Efimov, A.N., et al., "Onan Unusual Azimuthal Orientation Relationship in the System Gallium Nitride Layer on Spinel Substrate", CRYSTALLOGRAPHY REPORTS, 45(2): 312-317 (2000).	
	вв	Sun C.J., et al., "Mg-doped green light emitting diodes over cubic (1 1 1) MgAl2O4 substrate", APP. PHYS. LETT. 72(19): 2361-2363 (1998).	
	вс	Efimov, A.N., et al., "Symmetry constraints and epitaxial growth on non-isomorphic substrate", THIN SOLID FILMS 260: 111-117 (1995).	
1.00	BD	George, T., et al., "Novel symmetry in the growht of gallim nitride on magnesium aluminate substrates", APPL. PHYS. LETT. 68(3): 337-339 (1996).	
	BE	Sun C.J., et al., "Deposition of high quality wurtzite GaN films over cubic (1 1 1) MgAl2O4 substrates using low pressure and metalorganic chemical vapor deposition, " APPL. PHYS. LETT. 68(8): 1129-1131 (1996).	
	BF	Nakamura, S., et al., "Characteristics of InGaN multi-quantum-well-structure laser diodes, " APPL. PHYS. LETT. 68(23): 3269-3271 (1996).	
	BG	Khan, M.A., et al., "Cleaved cavity optically pumped InGaN-GaN laser grown on spinel substrates," APPL. PHYS. LETT. 69(16): 2418-2420 (1996).	
	вн	Tempel, A., et al., "Nachweis von Stapelfehlern in GaN-Exitaxieschichten mittels Elecktronenbeugung," KRISTALL UND TECHNIK 10(7): 741-746 (1975).	
	ВІ	Tempel, A., et al., "Zur Epitaxie von Galliumnitride auf nichtstoechiometrischem Spinell im System GaC1/NH3/He, " KRISTALL UND TECHNICK 10(7): 747-758 (1975)	
	BJ	K.V. Yumashev, "Saturable absorber Co2+: MgAl2O3 crystal for Q switching of 1.34-um Nd3+: YAlO3 and 1.54-um Er3+: glass lasers," APPLIED OPTICS 38(30): 6343-6346 (1999).	

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Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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(050 as many sheets as necessary)			ocessary)	Examiner Name	UNASSIGNED	
Sheet	3	of	3	Attorney Docket Number	1035-BI3918-CIP	

Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	
Initials*	No. ¹	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	СА	Camargo, M.B., et al., "Co2+ Y3Sc2Ga3O12 (YSGG) Passive Q-Switch for Infared Erbium Lasers," submitted to LEOS in 1994.	
	СВ	Mikhailov, V.P., et al., "Passive Q-switch performance at 1.3u (1.5u) and nonlinear spectroscopy of Co2+: MgAl2O4 and Co2+: LaMgAl11O9 cyrstals," OSA TOPS VOL. 26 Advanced Solid-State Lasers, pp. 317-324 (1999).	
	СС	Stulz, R.D., et al., "Diavalent Uranium and Cobalt Saturable Absorber Q-Switches at 1.5um," OSA Proceedings on Advanced Solid-State Lasers, 24:460-464 (1995).	
	CD	Birnbaum, M., et al., "Co2+: ZnSe Saturable Absorber Q-Switch for the 1.54 Um Er3+: Yb3+: Glass Laser, "OSA TOPS Vol. 10 Advanced Solid State Lasers, pp. 148-151 (1997).	
	CE	Machida, H., et al., "difficulties encoutered during the Czochralxki growth of TiO2 single crystals," JOURNAL OF CYRSTAL GROWTH, 112: 835-837 (1997).	
	CF	Camargo, M.B., et al., "Broad-band 1.54 um Saturable Absorber Q-switch with Co2+, " submitted to ASSL in 1995.	
	cg	Yumashev, K.V., et al., "Nonlinear spectroscopy and passive Q-switching operation of a Co2+: LaMgAl11O19 crystal," J. OPT. SOC. AM. B., 16(12): 2189-2194 (1999).	
	СН		
	СІ		
	CJ		

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